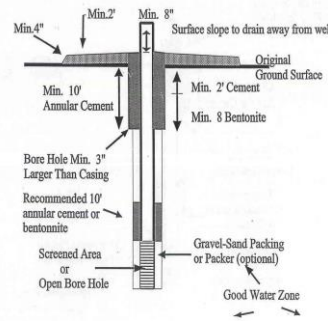


FAQs continued...

- **What type of power source will I need to run my pump?** Most submersible pumps are 220-volts, and jet pumps can be either 110-volts or 220-volts, depending on the horsepower.
- **Will the well contractor wire my pump to my electrical?** You will need a licensed electrician to wire your pump to your electrical.
- **Will my water be good?** There is no one capable of guaranteeing good quality water when taken from the well. Some water may contain iron, hydrogen sulfide (sulfur), other common contaminants, be hard water, or have a low pH, all of which can usually be filtered and/or treated. The aesthetic quality of water is generally dependent on the geographic location. These things can be improved with additional equipment, such as some type of water treatment system. GCGCD recommends that you have your water tested when you drill your well. Please call the office to discuss this matter.
- **How long will my water well last?** Wells drilled 40 to 50 years ago are still producing. Wells which have been abandoned have typically had steel casing issues, not lack of water. Today, wells are completed with PVC casings and should last for decades. The depth of a well can be an important consideration for providing a sustainable water supply in the future.



Proper Surface & Annular Sealing Examples
Chapter 76.1000 (1)



How deep will my well be?

Well depths will vary greatly depending on the location, elevation, and also the underground formations. A water well driller can estimate an approximate depth for a well based on local knowledge and experience in a familiar area. The groundwater district has some information in the form of well logs for most locations in Goliad County.

How long will it take to construct a new well?

Generally it takes about a day to drill a water well in most areas. However, unforeseen circumstances may delay progress on well construction.

What happens after the well is drilled?

After the drilling process is complete the well should be jetted and treated. Pump sizing and installation of the pump and tank follows thereafter.

What is the purpose of the well tank and does it matter what size tank I use?

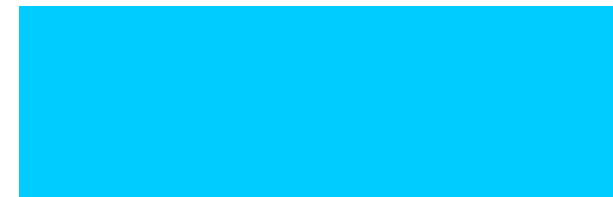
When the pump turns on the pressure tank is filled. The water is stored in the well tank until it is called for in the house. It is to your benefit to purchase the largest size tank for the space you have available. With a larger storage tank, more water is on store and the pump is not cycling as often. Most wear and tear on a pump is during starting and stopping. Having the pump run for longer periods and staying off for longer periods by using a larger storage tank should give your pump increased life expectancy and the capability of using a faster pump if necessary.



Goliad County Groundwater Conservation District

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FAQs ABOUT DRILLING A NEW WATER WELL



Frequently Asked Questions

I need to have water well drilled. What do I do first?

The first thing you need to do is choose a water well driller. The best way is by reputation. Ask a friend or neighbor that has had a well drilled. They will often have an opinion of who is best. Price comparison is also a good idea but should NOT be your only determining factor. Your well is one of the most important aspects of your home. In this case cheaper is not always better. You will form an opinion of the company by the way it presents itself along with the reputation and price. If there is still doubt, you can always inquire with Texas Department of Licensing and Regulation. This agency holds the licenses for all water well drillers and will have records of complaints against drillers on file.

Where is the best location for my water well?

The water well driller can walk through your property and discuss the geological formations, neighboring wells and county requirements, all of which impact a possible well site. Before a water well can be drilled you must obtain a registration to drill the water well, you must complete an application form and pay a minimal locating fee. A GCGCD representative will make arrangements to come to your property to obtain the Global Positioning System (GPS) location for your water well. GCGCD will also need to approve the proper location from property line, septic systems, power lines, etc. GCGCD has some information in parts of the county about the possible depth your well will need to be drilled.



What are the well spacing requirements for Goliad County?

The rules of the Goliad County Groundwater Conservation District (GCGCD) state that a new exempt domestic or livestock well may not be drilled within 135 feet from the property line or water rights line of any adjoining landowner or the boundary line of a water rights owner. Special rules govern the location of a replacement well.

What if I can't meet the spacing requirements of the groundwater district?

The minimum distance from the property line shall always be 50 feet. There are certain conditions for lots that are less than 1.7 acres. Contact GCGCD for more information. The spacing requirements for water wells and septic systems comply with County and State regulations.

Are there any spacing requirements for my septic system?

The spacing requirements for water wells and septic systems comply with County and State Regulations. For more information on this contact the Goliad County Judge at 645-3337.

What size pump system will I need?

Pump selection and sizing will depend on water depth, amount of water available to pump, and use of the system. Another factor is flow needed and pressure that is needed. An undersized pump will run longer and an oversized pump can shock the system.

What is an exempt well?

An exempt well is a well that is used for domestic or livestock and the pump must not be capable of pumping more than 25,000 gallons of water per day, which is approximately 17 gallons per minute.

What if my well system does not qualify as an exempt well?

If your well system does not meet the qualifications described in the preceding question then you must apply for a drilling and operating permit for your well prior to drilling the well. The permit requires notice of hearing that must be posted at the courthouse 10 days prior to the hearing and notification of your neighbors of your intent to drill a non-exempt well. There are also special spacing requirements for non-exempt wells. Please talk this over with some on the water district board of directors or call the office to discuss this. The water well drillers who regularly work in Goliad County are aware of this rule and will not drill your well until you have a permit. **GCGCD recommends that landowners request their well be cemented to a depth of 100 feet to help insure against surface contamination reaching the groundwater.**

QUESTIONS FOR YOUR PROSPECTIVE WATER WELL DRILLER

What well schedule casing is being used in your construction of my well?

Will the production sand be gravel packed and capped?

What are the screen specifications and is the bottom sealed?

What method will be used to disinfect the well?

Are water well drillers standards being followed?

What is acceptable water and how is it achieved?

Is the drilling water used from a potable water source?

For more information visit TDLR or Water well resources on the internet.